

05/10  
6426

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/084,971

DATE: 05/01/2002

TIME: 10:58:34

Input Set : N:\Crf3\RULE60\10084971.raw  
 Output Set: N:\CRF3\05012002\J084971.raw

1 <110> APPLICANT: Human Genome Sciences, Inc.  
 2 <120> TITLE OF INVENTION: Neutrokinin-alpha Binding Proteins and Methods Based Thereon  
 3 <130> FILE REFERENCE: PF524PCT  
 4 <140> CURRENT APPLICATION NUMBER: 10/084,971  
 5 <141> CURRENT FILING DATE: 2002-03-01  
 7 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/533,822  
 W--> 8 <151> PRIOR FILING DATE: EARLIER FILING DATE: 2000-03-24  
 10 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/126,599  
 W--> 11 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-26  
 12 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/188,208  
 W--> 13 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-10  
 14 <160> NUMBER OF SEQ ID NOS: 5  
 15 <170> SOFTWARE: PatentIn Ver. 2.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 882  
 19 <212> TYPE: DNA  
 20 <213> ORGANISM: Homo sapiens  
 21 <220> FEATURE:  
 22 <221> NAME/KEY: CDS  
 23 <222> LOCATION: (1)..(882)  
 24 <400> SEQUENCE: 1  
  
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 27 1 5 10 15  
 28 cag gag gag cgc ttt cca cag ggc ctg tgg acg ggg gtg gct atg aga 96  
 29 Gln Glu Glu Arg Phe Pro Gln Gly Leu Trp Thr Gly Val Ala Met Arg  
 30 20 25 30  
 31 tcc tgc ccc gaa gag cag tac tgg gat cct ctg ctg ggt acc tgc atg 144  
 32 Ser Cys Pro Glu Glu Gln Tyr Trp Asp Pro Leu Leu Gly Thr Cys Met  
 33 35 40 45  
 34 tcc tgc aaa acc att tgc aac cat cag agc cag cgc acc tgt gca gcc 192  
 35 Ser Cys Lys Thr Ile Cys Asn His Gln Ser Gln Arg Thr Cys Ala Ala  
 36 50 55 60  
 37 ttc tgc agg tca ctc agc tgc cgc aag gag caa ggc aag ttc tat gac 240  
 38 Phe Cys Arg Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp  
 39 65 70 75 80  
 40 cat ctc ctg agg gac tgc atc agc tgt gcc tcc atc tgt gga cag cac 288  
 41 His Leu Leu Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His  
 42 85 90 95  
 43 cct aag caa tgt gca tac ttc tgt gag aac aag ctc agg agc cca gtg 336  
 44 Pro Lys Gln Cys Ala Tyr Phe Cys Glu Asn Lys Leu Arg Ser Pro Val  
 45 100 105 110  
 46 aac ctt cca cca gag ctc agg aga cag cgg agt gga gaa gtt gaa aac 384

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Input Set : N:\CrF3\RULE60\10084971.raw  
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47 Asn Leu Pro Pro Glu Leu Arg Arg Gln Arg Ser Gly Glu Val Glu Asn  
 48 115 120 125  
 49 aat tca gac aac tcg gga agg tac caa gga ttg gag cac aga ggc tca 432  
 50 Asn Ser Asp Asn Ser Gly Arg Tyr Gln Gly Leu Glu His Arg Gly Ser  
 51 130 135 140  
 52 gaa gca agt cca gct ctc ccg ggg ctg aag ctg agt gca gat cag gtg 480  
 53 Glu Ala Ser Pro Ala Leu Pro Gly Leu Lys Leu Ser Ala Asp Gln Val  
 54 145 150 155 160  
 55 gcc ctg gtc tac agc acg ctg ggg ctc tgc ctg tgt gcc gtc ctc tgc 528  
 56 Ala Leu Val Tyr Ser Thr Leu Gly Leu Cys Leu Cys Ala Val Leu Cys  
 57 165 170 175  
 58 tgc ttc ctg gtg gcg gtg gcc tgc ttc ctc aag aag agg ggg gat ccc 576  
 59 Cys Phe Leu Val Ala Val Ala Cys Phe Leu Lys Lys Arg Gly Asp Pro  
 60 180 185 190  
 61 tgc tcc tgc cag ccc cgc tca agg ccc cgt caa agt ccg gcc aag tct 624  
 62 Cys Ser Cys Gln Pro Arg Ser Arg Pro Arg Gln Ser Pro Ala Lys Ser  
 63 195 200 205  
 64 tcc cag gat cac gcg atg gaa gcc ggc agc cct gtg agc aca tcc ccc 672  
 65 Ser Gln Asp His Ala Met Glu Ala Gly Ser Pro Val Ser Thr Ser Pro  
 66 210 215 220  
 67 gag cca gtg gag acc tgc agc ttc tgc ttc cct gag tgc agg gcg ccc 720  
 68 Glu Pro Val Glu Thr Cys Ser Phe Cys Phe Pro Glu Cys Arg Ala Pro  
 69 225 230 235 240  
 70 acg cag gag agc gca gtc acg cct ggg acc ccc gac ccc act tgt gct 768  
 71 Thr Gln Glu Ser Ala Val Thr Pro Gly Thr Pro Asp Pro Thr Cys Ala  
 72 245 250 255  
 73 gga agg tgg ggg tgc cac acc agg acc aca gtc ctg cag cct tgc cca 816  
 74 Gly Arg Trp Gly Cys His Thr Arg Thr Thr Val Leu Gln Pro Cys Pro  
 75 260 265 270  
 76 cac atc cca gac agt ggc ctt ggc att gtg tgt gtg cct gcc cag gag 864  
 77 His Ile Pro Asp Ser Gly Leu Gly Ile Val Cys Val Pro Ala Gln Glu  
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 85 <212> TYPE: PRT  
 86 <213> ORGANISM: Homo sapiens  
 87 <400> SEQUENCE: 2  
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 89 1 5 10 15  
 90 Gln Glu Glu Arg Phe Pro Gln Gly Leu Trp Thr Gly Val Ala Met Arg  
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 92 Ser Cys Pro Glu Glu Gln Tyr Trp Asp Pro Leu Leu Gly Thr Cys Met  
 93 35 40 45  
 94 Ser Cys Lys Thr Ile Cys Asn His Gln Ser Gln Arg Thr Cys Ala Ala  
 95 50 55 60  
 96 Phe Cys Arg Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US 10/084, 871

DATE: 05/01/2002

TIME: 10:58:34

Input Set : N:\Crfs\RULE60\10084031.m

Output Set: N:\CRF3\05012003\J084971

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101          100          105          110
102     Asn Leu Pro Pro Glu Leu Arg Arg Gln Arg Ser Gly Glu Val Glu Asn
103          115          120          125
104     Asn Ser Asp Asn Ser Gly Arg Tyr Gln Gly Leu Glu His Arg Gly Ser
105          130          135          140
106     Glu Ala Ser Pro Ala Leu Pro Gly Leu Lys Leu Ser Ala Asp Gln Val
107          145          150          155
108     Ala Leu Val Tyr Ser Thr Leu Gly Leu Cys Leu Cys Ala Val Leu Cys
109          165          170          175
110     Cys Phe Leu Val Ala Val Ala Cys Phe Leu Lys Lys Arg Gly Asp Pro
111          180          185          190
112     Cys Ser Cys Gln Pro Arg Ser Arg Pro Arg Gln Ser Pro Ala Lys Ser
113          195          200          205
114     Ser Gln Asp His Ala Met Glu Ala Gly Ser Pro Val Ser Thr Ser Pro
115          210          215          220
116     Glu Pro Val Glu Thr Cys Ser Phe Cys Phe Pro Glu Cys Arg Ala Pro
117          225          230          235          240
118     Thr Gln Glu Ser Ala Val Thr Pro Gly Thr Pro Asp Pro Thr Cys Ala
119          245          250          255
120     Gly Arg Trp Gly Cys His Thr Arg Thr Thr Val Leu Gln Pro Cys Pro
121          260          265          270
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127 <211> LENGTH: 733
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129 <213> ORGANISM: Homo sapiens
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134 tctcccgacg tcttgaggtc acatgcgtgg tggtgacgt aagccacgaa gaccctgagg 180
135 tcaagttcaa ctggtagctg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240
136 aggaggcaga caacagcagc taccgtgtgg tcagcgtctt caccgtcctg caccaggact 300
137 ggctgtatgg caaggagtag aagtgcagg tctccaacaa agccctccca accccatcg 360
138 agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcgg 420
139 catcccgaga tgagctgacc aagaaccagg tcagcgtgac ctgcctggc aaaggcttct 480
140 atccaagcga catcgccgtg gagtgggaga gcaatggca gccggagaac aactacaaga 540
141 ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg 600
142 acaagagcag gtggcagcag gggacgtct tctcatgtc cgtgatgtcat gaggctctgc 660
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144 gactctagag gat
145 <210> SEQ ID NO: 4
146 <211> LENGTH: 9
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Input Set : N:\Crf3\RULE60\10084971.raw  
Output Set: N:\CRF3\05012002\J084971.raw

148 <212> TYPE: PRT  
149 <213> ORGANISM: Homo sapiens  
150 <220> FEATURE:  
151 <221> NAME/KEY: SITE  
152 <222> LOCATION: (1)..(5)  
153 <223> OTHER INFORMATION: Xaa equal any amino acid  
154 <220> FEATURE:  
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160                1    5  
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163 <211> LENGTH: 9  
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165 <213> ORGANISM: Homo sapiens  
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167 <221> NAME/KEY: SITE  
168 <222> LOCATION: (3)  
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172                1    5

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/084,971

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Input Set : N:\Crf3\RULE60\10084971.raw  
Output Set: N:\CRF3\05012002\J084971.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 1,2,3,4,5,9  
Seq#:5; Xaa Pos. 3

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/084,971

DATE: 05/01/2002

TIME: 10:58:35

Input Set : N:\Crf3\RULE60\10084971.raw  
Output Set: N:\CRF3\05012002\J084971.raw

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L:11 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:13 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0